

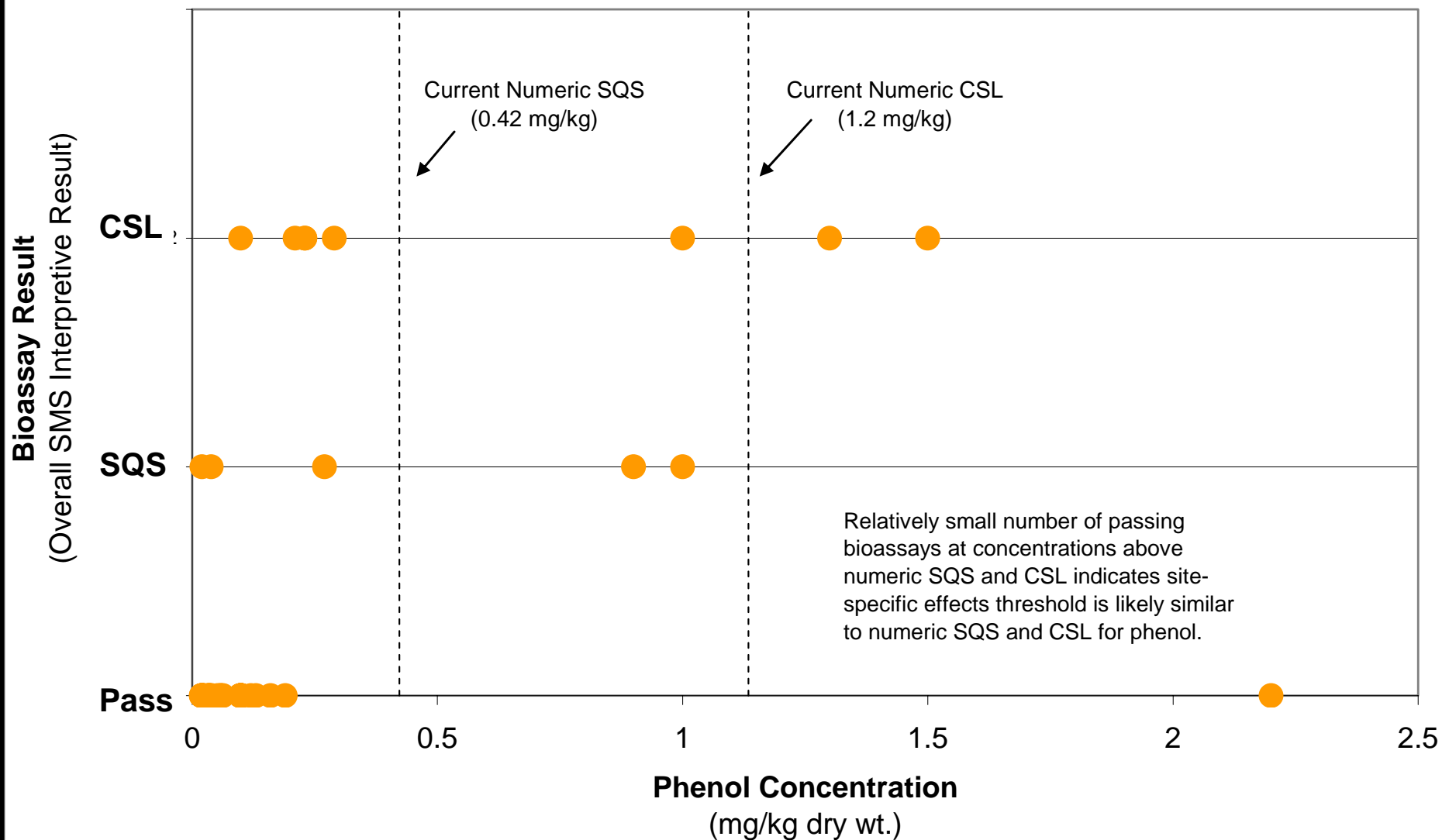
PORT OF BELLINGHAM  
WHATCOM WATERWAY

CORRELATION OF BIOASSAY RESULTS AND  
4-METHYLPHENOL CONCENTRATIONS

Date: 8/2006

File: 8876 RIFS

FIGURE 5-6



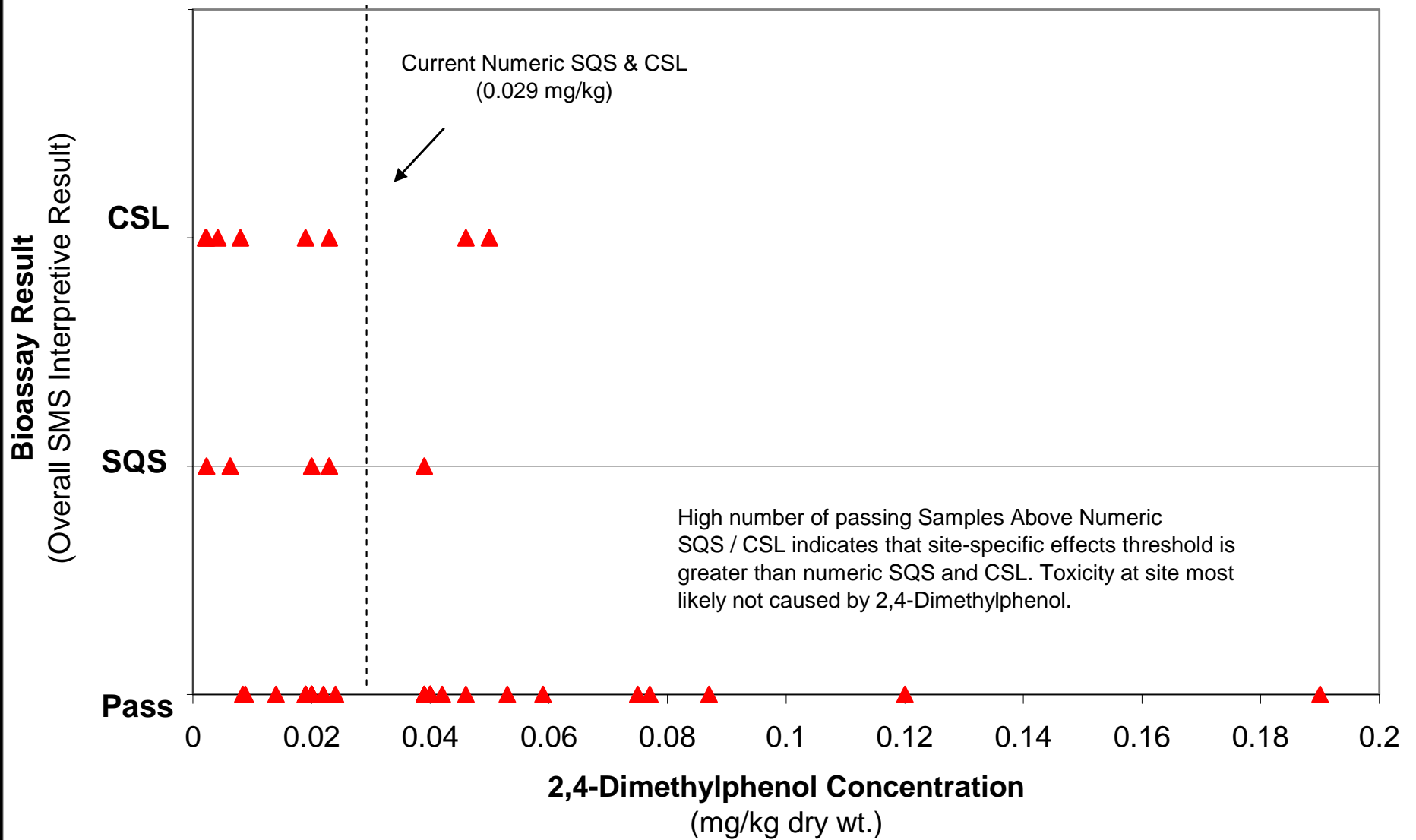
PORT OF BELLINGHAM  
WHATCOM WATERWAY

CORRELATION OF BIOASSAY RESULTS AND  
PHENOL CONCENTRATIONS

Date: 8/2006

File: 8876 RIFS

FIGURE 5-7



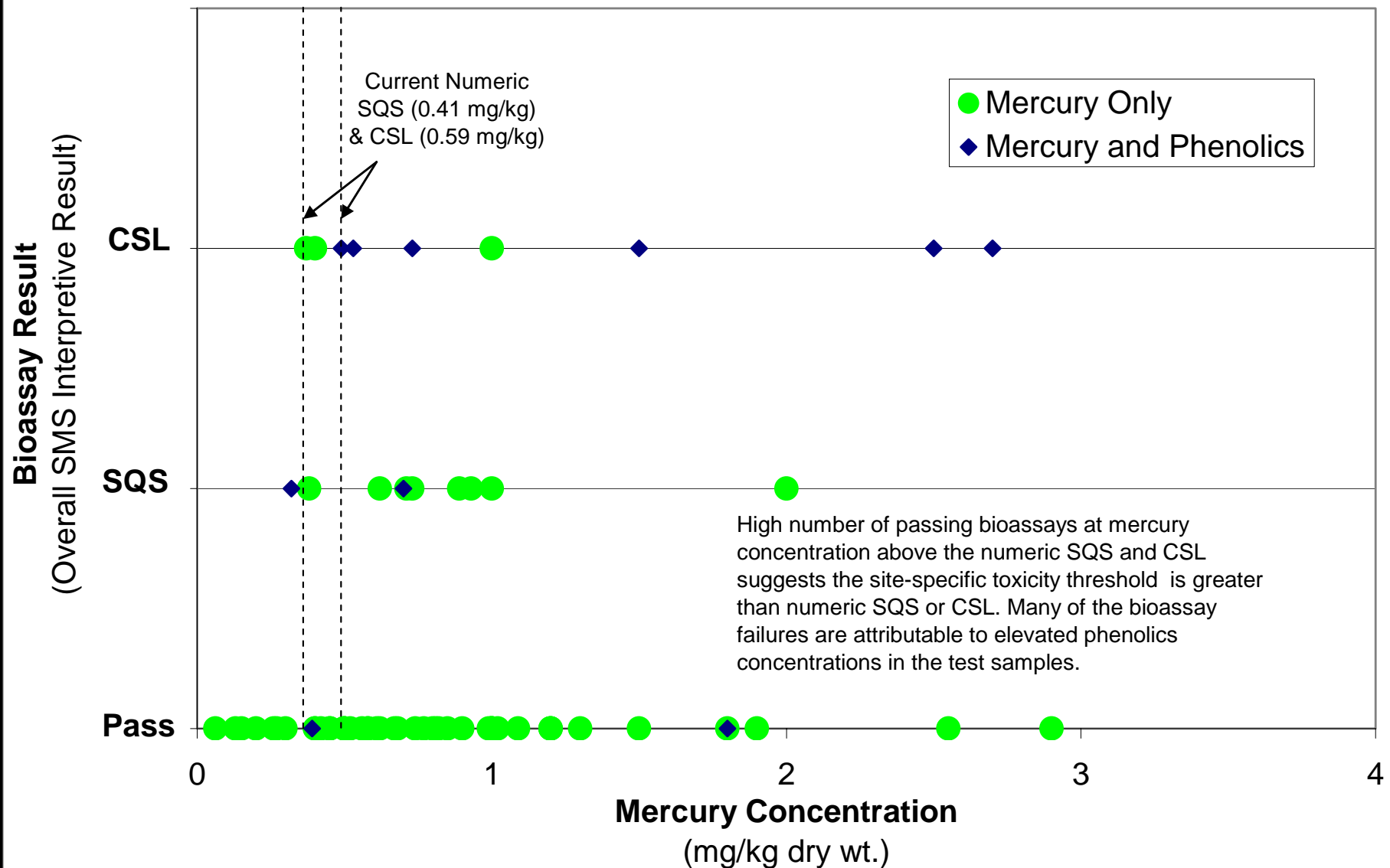
PORT OF BELLINGHAM  
WHATCOM WATERWAY

CORRELATION OF BIOASSAY RESULTS AND  
2,4-DIMETHYLPHENOL CONCENTRATIONS

Date: 8/2006

File: 8876 RIFS

FIGURE 5-8



PORT OF BELLINGHAM  
WHATCOM WATERWAY

CORRELATION OF BIOASSAY RESULTS AND  
MERCURY CONCENTRATIONS

Date: 8/2006

File: 8876 RIFS

FIGURE 5-9

# LEGEND

AVERAGE MERCURY CONCENTRATION  
IN 0.4-4 FT SUBSURFACE SEDIMENTS  
(REFER TO RI APPENDIX G FOR DATA CALCULATIONS)

- < 0.41 mg/kg
- 0.41 - 0.59 mg/kg
- 0.59 - 1.2 mg/kg
- 1.2 - 5 mg/kg
- 5 - 10 mg/kg
- > 10 mg/kg

LOG POND INTERIM  
REMEDIATION ACTION AREA  
(DATA SHOW SEDIMENT  
QUALITY PRIOR TO CAPPING)

BELLINGHAM BAY

P&J STREET  
WATERWAY

CENTRAL WATERFRONT SITE

ASB

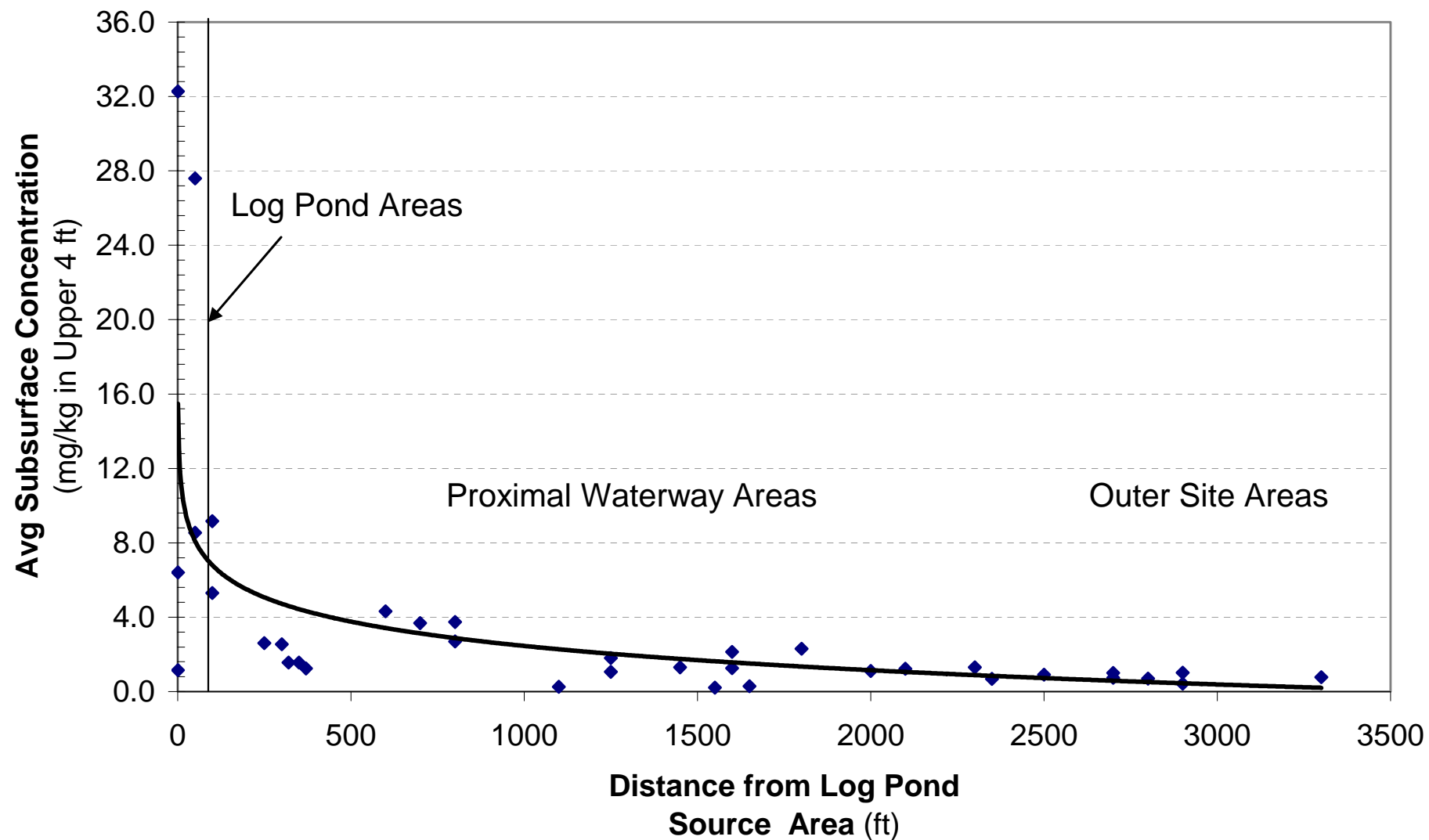
WHATCOM WATERWAY

PULP AND TISSUE  
MILL SITE

BELLINGHAM  
SHIPPING  
TERMINAL

CHLOR-ALKALI  
PLANT SITE





PORT OF BELLINGHAM  
WHATCOM WATERWAY

DECREASE IN SUBSURFACE MERCURY  
CONCENTRATIONS WITH DISTANCE FROM  
LOG POND SOURCE AREA

Date: 8/2006

File: 8876 RIFS

FIGURE 5-11

# LEGEND

AVERAGE 4-METHYLPHENOL CONCENTRATION  
IN 3.3-4 FT SUBSURFACE SEDIMENTS  
(REFER TO APPENDIX Q FOR DATA CALCULATIONS)

- < 0.67 mg/kg
- 0.67 - 2 mg/kg
- 2 - 10 mg/kg
- 10 - 60 mg/kg
- > 60 mg/kg

LOD POOL INTERIM  
REMEDIAL ACTION AREA  
(DATA SHOW SEDIMENT  
QUALITY PRIOR TO CAPPING)

NOTES: NT = NOT TESTED (MERCURY ONLY)

HC-NR-100  
NT

BELLINGHAM BAY

HC-NR-100  
NT

I, & J STREET  
WATERWAY

HC-VC-34-CT  
< 0.67

HC-VC-35  
< 0.67

HC-VC-36  
< 0.67

HC-VC-37-CT  
< 0.67

HC-VC-38  
< 0.67

CENTRAL WATERFRONT SITE

SP-23  
25.8

SP-23  
26.8

SP-23  
29.2

SP-23  
34.7

SP-23  
39.4

ASB

AN-PC-CMP-1  
< 0.67

AN-PC-CMP-2  
< 0.67

AN-PC-CMP-3  
< 0.67

HC-VC-39  
< 0.67

AN-PC-CMP-4  
< 0.67

HC-VC-40  
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HC-VC-41  
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HC-VC-42  
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# LEGEND

AVERAGE SUBSURFACE SEDIMENT QUALITY  
WITHIN THE 0.4-4 FT INTERVAL AS QUANTIFIED  
USING THE CUMULATIVE ENRICHMENT RATIO METHOD (C.E.R.)  
(REFER TO APPENDIX G FOR C.E.R. RATIO CALCULATIONS)

- <1 C.E.R.
- 1-2 C.E.R.
- 2-5 C.E.R.
- 5-20 C.E.R.
- 20-80 C.E.R.
- >80 C.E.R.

LOG POND INTERIM REMEDIAL  
ACTION AREA (DATA SHOW CONDITIONS  
PRIOR TO CAPPING)

